

PROCEEDINGS
OF THE
AMERICAN PHILOSOPHICAL SOCIETY.

VOL. IV. JANUARY—JUNE, 1846. No. 35.

Stated Meeting, January 2.

Present, twenty members.

Dr. FRANKLIN BACHE, Vice-President, in the Chair.

The report of the election of officers for the ensuing year was read.

President.

N. Chapman, M.D.

Vice-Presidents.

R. M. Patterson, M.D.

Franklin Bache, M.D.

A. D. Bache, LL.D.

Secretaries.

J. K. Kane,

Robley Dunglison, M.D.

A. L. Elwyn, M.D.,

J. F. Frazer.

Counsellors.

Thomas Biddle,

Isaac Lea,

Hartman Kuhn,

T. P. Cope.

Curators.

Franklin Peale,

J. P. Wetherill,

J. C. Cresson.

Treasurer.

George Ord.

Letters were announced and read:—

From Mr. John B. Sartori, dated Leghorn, 1st November, 1845, in reference to the specimen of what he believes to be “fixed mercury,” forwarded by him to the Society:—

From Dr. Wm. B. Carpenter, dated London, December 3d, 1845, acknowledging the receipt of the notice of his election as a member of the Society:—

From Sir William Jardine, dated Jardine Hall, 21st November, 1845, acknowledging the notice of his election:—

From Messrs. J. H. Alexander and A. D. Bache, announcing donations to the Society: and,—

From the Zoological Society of London, dated May, 1845, acknowledging the reception of the Proceedings of this Society.

The following donations were announced:—

FOR THE LIBRARY.

- Proceedings of the Geological Society of London. Vol. IV. Part III. 1844-5. Nos. 102, 103. 8vo.—*From the Society.*
- Proceedings of the Zoological Society of London. Part XII. 1844. 8vo.—*From the Society.*
- Reports of the Council and Auditors of the Zoological Society of London, read at the Annual General Meeting, April 29, 1845. 8vo.—*From the same.*
- Title and Index to Vol. VI. of the Monthly Notices of the Royal Astronomical Society of London.—*From the Society.*
- Catalogo Metodico dei Mammiferi Europei di Carlo L. Principe Bonaparte. Milano, 1845. 4to.—*From the Author.*
- Specchio Generale dei Sistemi Erpetologico, Anfibiologico ed Ittiologico di Carlo L. Principe Bonaparte. Milano, 1845. 4to.—*From the same.*
- Catalogo Metodico dei Ciprinidi d'Europa e Ritievi sul Volume XVII. dell'Istoria Naturale dei Pesci del Sig. Valenciennes di Carlo L. Principe Bonaparte. Milano, 1845. 4to.—*From the same.*
- Report on the Standards of Weight and Measure for the State of Maryland; and on the Construction of the Yard Measures. By J. H. Alexander. Baltimore, 1845. 8vo.—*From the Author.*
- Journal of the Franklin Institute of the State of Pennsylvania. Vol. X. December, 1845. No. 6. 8vo.—*From Dr. Patterson.*

Map of New York Bay and Harbour. Two sheets, which complete the Map, the whole being composed of six sheets.—*From Prof. A. D. Bache.*

Journal of the Senate of the United States of America, being the First Session of the 28th Congress, begun and held in the City of Washington, December 4, 1843, and in the Sixty-eighth Year of the Independence of the United States. Washington, 1843. 8vo. *From the Hon. James Buchanan, Secretary of State.*

Journal of the House of Representatives of the United States. First Session, 28th Congress. Washington, 1844. 8vo.—*From the same.*

Public Documents, printed by order of the Senate of the United States. First Session, 28th Congress. Six Volumes. Washington, 1844. 8vo.—*From the same.*

Executive Documents. First Session, 28th Congress. Six Volumes. Washington, 1843, 1844. 8vo.—*From the same.*

Reports of Committees. First Session, 28th Congress. Three Volumes. Washington, 1843, 1844. 8vo.—*From the same.*

ADDITION TO THE LIBRARY BY PURCHASE.

Astronomische Nachrichten. No. 549, with Supplementary Number. 4to.

Prof. Frazer, on the part of the Committee on Major Graham's paper, reported progress.

Mr. Daniel B. Smith read a portion of a letter from Prof. Henry, of Princeton, that referred to a paper by Mr. Faraday, relating to a new discovery in regard to the polarization of light, and stating that he had repeated with success the experiments of Mr. Faraday.

Stated Meeting, January 16.

Present, twenty-six members.

Dr. CHAPMAN, President, in the Chair.

Letters were received and read:—

From the Perpetual Secretary of the First Class of the Royal Institute of the Netherlands, Amsterdam, dated July